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end detected. A small, dynamic relative movement between the transmitter and the receiver cannot be detected with such a device--.

a4 Before paragraph [0003] please insert the heading --SUMMARY OF  
THE INVENTION--.

Please amend paragraph [0004] as follows:

a5 --This objective is achieved according to the invention in that the transmitter emits a focused or punctiform electromagnetic wave or a focused acoustic wave or a focused particle beam outside of the component towards the receiver. The result of this is that the transmitter and the receiver are effectively linked to each other via the light beam so that, for example, deformations of the component have an effect on the relative position between the transmitter and the receiver and thus also on the path of the light beam relative to the receiver. This device is suitable as a weighing device since the deformation of a component allows a conclusion to be drawn about the force acting upon it. However, other influencing variables that entail a deformation of the component such as, for example, dynamic loads or an unbalance, can also be ascertained. For such a position determination, it is also conceivable to use a pressure wave or sound wave or else a water jet--.

Please amend paragraph [0007] as follows:

a6 --Finally, according to a preferred embodiment of the solution according to the invention, it is provided that the receiver has a light-sensitive surface such as a PSD transducer or an image processing element and the light-sensitive surface ensures a resolution of at least 3000 d to 6000 d. This value, which is common in weighing technology, is determined from the quotient of the length ratios of the maximum measurable deviation of the light beam to the light-sensitive surface and the diameter of the smallest optical unit. In this manner, the deviations of the reflected light beam relative to its starting position and thus the component deformation can be determined on the basis of the above-mentioned resolution. Here, it must be noted that the deviation of the light beam is already enlarged by the corresponding factor due to the multiple reflection of the beam path--.

017 After paragraph [0014], please insert the heading --BRIEF DESCRIPTION OF THE  
DRAWINGS--.

018 Before paragraph [0017], please insert the heading --DETAILED DESCRIPTION--.

019 On page 8, first line, please change "Claims" to --WHAT IS CLAIMED IS--.

Please delete page 12 (The list of reference numerals).

**IN THE CLAIMS:**

Please cancel claims 1-16 as presented in the underlying International Application No. PCT/EP00/05828 as well as substitute claims 1-15 and please add new claims 17-36 as follows:

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- 17. (new) A device to detect a state of a component, the device comprising:  
a receiver disposed on the component and having a light-sensitive surface;  
a transmitter disposed on the component at a distance from the receiver and configured to emit a beam outside of the component to the receiver; and  
an evaluation unit.
18. (new) The device as recited in claim 17 wherein the state of the component include at least one of a deformation state, a loading state, and a movement of the component.
19. (new) The device as recited in claim 17 wherein the receiver includes at least one of a PSD transducer and an image processing element.
20. (new) The device as recited in claim 17 wherein the beam includes at least one of a light beam, a focused electromagnetic wave, a focused acoustic wave, and a focused particle beam.